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OCT 39 1920

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United States Department of Agriculture,

OFFICE OF THE SECRETARY.

Contribution from the Bureau of Animal Industry, A. D. Melvin, Chief.

REGULATIONS GOVERNING ENTRANCE TO THE VETERINARY INSPECTOR EXAMINATION.

Effective on and after March 1, 1917.

By and with the consent and approval of the United States Civil Service Commission, the following regulations are hereby promulgated with reference to the matriculation examination and course of instruction in veterinary science at veterinary schools and colleges required to educate and qualify persons for the civil-service examination for the position of veterinary inspector in the United States Department of Agriculture, Bureau of Animal Industry. These regulations also include a list of the schools and colleges at present accredited and qualified to supply the graduates eligible to enter the above-mentioned civil-service examination.

It is to be distinctly understood that no power to direct or control the work of the veterinary schools or colleges is claimed by the Civil Service Commission or by the Department of Agriculture. The regulations which follow merely indicate what are the requirements of the Government as to veterinary schools and colleges whose graduates are admitted to examinations for veterinary inspectors in the Bureau of Animal Industry.

REGULATION I.—Matriculation.

1. A matriculation examination shall be adopted by each veterinary college, the minimum requirements of which shall be equivalent to the first-grade examination as published in the United States Civil Service Manual of Examinations. Such examination will therefore comprise:

1. Spelling; 2. Arithmetic; 3. Penmanship; 4. Report writing;
5. Copying and correcting manuscript; 6. Geography and civil government of the United States.

2. An applicant having a diploma from a recognized college or a normal or high school or a first-grade teacher's certificate shall be eligible for admission to a veterinary college without examination.

REGULATION II.—Dates of holding matriculation examinations.

The entrance examination shall be conducted on one or more specifically advertised dates under the supervision of the dean, director, or, in the case of State institutions, by the official examining board. The last entrance examination shall be held not later than 15 days subsequent to the advertised annual opening of the college year, and no time credit shall be allowed to students admitted after that date.

REGULATION III.—Filing of matriculation examination papers.

The questions and answers of both successful and unsuccessful applicants shall be kept on file by the institution for at least five years subsequent to the examination of the applicants.

REGULATION IV.—Grading of matriculation examination papers.

Applicants shall be graded upon a basis of 100 per cent, and a grade of not less than 70 per cent shall qualify for admission.

REGULATION V.—Certificate of matriculation examination.

Any person applying for admittance to the freshman class or for advanced standing in a veterinary college shall present before being enrolled a certificate showing that he has passed the matriculation examination required by these regulations, and in no case shall he be admitted without such certificate.

REGULATION VI.—Subjects constituting course of instruction.

The appended list of subjects shall constitute the course of instruction required as a minimum for veterinary colleges. These, numerically indicated, shall be known as the major subjects, and those designated by letters shall be under the direction of the professors in charge of the allied major subjects.

1. Anatomy :

- (a) Histology (veterinary).
- (b) Zoology (veterinary).
- (c) Embryology.

2. Physiology :

- (a) Principles of nutrition.
- (b) Hygiene.
- (c) Animal locomotion.

3. Zootechnics :

- (a) Breeds and breeding.
- (b) Judging.
- (c) Feeds and feeding.
- (d) Dairy inspection.
- (e) Jurisprudence.

4. Chemistry :

- (a) Physics, elementary.
- (b) Physiological chemistry—analysis of milk, urine, etc.

5. Materia medica :

- (a) Botany (medical).
- (b) Pharmacy.
- (c) Toxicology.

6. Pathology :

- (a) Bacteriology.
- (b) Parasitology.
- (c) Post-mortem examination.
- (d) Meat inspection.
- (e) Laboratory diagnosis.

7. Practice of comparative medicine :

- (a) Diagnostic methods and clinics.
- (b) Therapeutics.
- (c) Control of infective diseases.

8. Surgery :

- (a) Surgical diagnosis and clinics.
- (b) Surgical restraint.
- (c) Soundness.
- (d) Lameness.
- (e) Shoeing and balancing.
- (f) Dentistry.
- (g) Obstetrics.

REGULATION VII.—Length of course.

The course of instruction when given during the day shall cover a period of four years of not less than six and one-half months in each year, exclusive of final examinations and holidays; and this course of instruction shall have as a minimum 150 days of actual teaching in each year and a minimum of 3,380 actual teaching hours for the entire four years. The course of instruction when given at night (after 6 p. m.) shall cover a period of four years of not less than eight and one-half months in each year, exclusive of final examinations and holidays. Such course of night instruction shall have as a minimum 200 days of actual teaching in each year, and a minimum of 3,380 actual teaching hours for the entire four years, including at least 150 hours of practical clinical instruction, which shall be given in the daytime.

REGULATION VIII.—Minimum number of hours in course.

Anatomy, major subject:

Lectures	200
Laboratory	350
	550

Histology (veterinary)—

Lectures	60
Laboratory	100
	160

Embryology—

Lectures	10
Laboratory	20
	30

Zoology (veterinary)—

Lectures	20
Laboratory	20
	40

Total for subject----- 780

Physiology, major subject:

Lectures	80
Laboratory	20
	100

Principles of nutrition----- 10

Hygiene----- 20

Animal locomotion----- 5

35

Total for subject----- 135

Zootechnics, major subject:

Breeds and breeding	30
Judging	30
Feeds and feeding	30
Dairy inspection	10
Jurisprudence	10

Total for subject----- 110

Chemistry, major subject:

Lectures	50
Laboratory	150
	200

Physics (elementary)----- 20

Physiological chemistry-----

Urine analysis	10
Milk analysis	10
	20

Total for subject----- 240

Materia medica, major subject:

Lectures	140
Pharmacy, lectures, and laboratory	50
Botany (medical)	30
Toxicology	10
Total for subject	230

Pathology, major subject:

Lectures	40
Laboratory	100
Bacteriology—	
Lectures	50
Laboratory	100
Parasitology—	
Lectures	30
Laboratory	30
Post-mortem examination	60
Meat inspection	50
Laboratory diagnosis	50
Total for subject	460

Practice of comparative medicine, major subject:

Lectures	300
Diagnostic methods and clinics	320
Therapeutics	100
Control of infective diseases	25
Total for subject	745

Surgery, major subject:

Lectures	150
Surgical exercises	60
Surgical diagnosis and clinics	265
Surgical restraint	30
Soundness	20
Lameness, lectures and clinics	75
Shoeing and balancing	10
Dentistry, lectures and laboratory	20
Obstetrics	50
Total for subject	680

Recapitulation.

Total hours for anatomy group	780
Total hours for physiology group	135
Total hours for zootechnics group	110
Total hours for chemistry group	240
Total hours for materia medica group	230
Total hours for pathology group	460
Total hours for practice of comparative medicine group	745
Total hours for surgery group	680
Total hours, four-year course	3,380

REGULATION IX.—Transfer of time from one subject to another of same group.

An elasticity may be allowed in the apportionment of the time to the different subjects (or their divisions) under each group to the extent that not more than 25 per cent may be omitted from the time of any one subject, providing this deducted time be added to some other subject or subjects in the same group.

REGULATION X.—Grading of course.

The course shall be graded in such manner as to avoid unnecessary repetition of lectures or instruction to the same student. For example, a student, while freshman, should be required to complete a definitely outlined course in such subjects as anatomy, histology, chemistry, etc. When advanced to the junior class he should either drop the studies of his freshman year and take up new work, or he may continue the same subject; for example, anatomy, along advanced lines of instruction.

REGULATION XI.—Number of veterinarians.

On the faculty of every veterinary college there shall be at least five graduate veterinarians from accredited veterinary colleges teaching major subjects, each of whom shall have had not less than one year's additional training in some accredited veterinary college or three years' experience in teaching or in practicing veterinary science subsequent to graduation from an accredited veterinary college.

REGULATION XII.—Qualifications of teaching veterinarians.

Not more than three of the five veterinarians in charge of major subjects on each college faculty shall be graduates of any one veterinary college, unless they have had at least one year's additional training in another accredited veterinary college.

REGULATION XIII.—Subjects taught by veterinarians.

The five veterinarians on the faculty of each veterinary college shall have charge of the following major subjects: (1) Anatomy; (2) Practice of Comparative Medicine; (3) Surgery, and any two of the following three subjects: Pathology, Materia Medica, or Physiology.

REGULATION XIV.—Evidence of attendance.

At the end of the college year each student is entitled to and shall receive a written statement giving the length of time spent in each study during the session and the grade received therein. This statement, or definite evidence of credit, shall be exacted from a student before he is given advanced standing in any veterinary college.

REGULATION XV.—Transfer of students.

A student transferring from one accredited veterinary college to another accredited veterinary college shall be given credit only for such time and courses (lectures and laboratory) as he has successfully completed in the institution previously attended. No one of the accredited veterinary colleges shall give credit to any student for any work done at veterinary colleges not included in the accredited list.

REGULATION XVI.—Applicants from colleges not veterinary.

1. An applicant who has successfully completed at least two years' work in a reputable college of human medicine, dentistry, pharmacy, or agriculture, and who brings an official and explicit certificate describing his course of study and scholarship, and also a certificate of honorable dismissal, shall not be admitted to advanced classes or standing in a veterinary college except as otherwise provided in section 2 of this regulation, but may be given credit for such subjects as have been successfully completed in such colleges if, in the subjects for which credit is sought, said colleges maintain a standard of instruction similar and equal to the minimum standard of requirements established by these regulations.

2. An applicant from a State agricultural college having upon its faculty one or more graduate veterinarians giving a special pre-veterinary course may be given a time credit of one year, providing he has a certificate from the college authorities that he has successfully completed at least 1,200 hours in studies as follows:

Anatomy (comparative), histology, embryology, physiology, physics, botany, zoology, chemistry (including milk analysis), and agriculture (including breeds and breeding, live-stock judging, stock feeding, and dairy inspection).

REGULATION XVII.—Agricultural and medical college graduates.

1. A graduate of the regular four-year agricultural course in an agricultural college having upon its faculty a qualified veterinarian giving a regular course of instruction in veterinary science may be given a time credit of one year, but this credit shall apply only to such subjects as he has successfully completed, provided the course of instruction in said agricultural college, in the subjects for which credit is sought, is similar and equal to the minimum standard of requirements in the course indicated in these regulations.

2. A graduate of a reputable college of human medicine, on presentation of a diploma from such college, may be given a time credit of one year, but this credit shall apply only to such subjects as he has successfully passed, provided the course of instruction in said medical college in the subjects for which credit is sought is similar

and equal to the minimum standard of requirements in the course indicated in these regulations.

REGULATION XVIII.—Graduation periods.

No veterinary college shall have more than two graduation periods yearly, nor shall diplomas be issued except at the end of the first semester or at the close of the regular college year.

REGULATION XVIII.—Graduation periods.

1. A candidate for graduation shall have attained the age of 21 years and attended four full college years in a veterinary college herein recognized¹ (except as otherwise provided in Regulations XVI and XVII); the last year of attendance must have been at the college to which he applies for graduation.

2. He must have successfully completed the course of study and passed all the final examinations in the subjects indicated in these regulations.

3. If he fails to pass satisfactorily in subjects representing in time 25 per cent or more of his senior year, these subjects must again be taken in full with a succeeding class before he can be graduated.

REGULATION XX.—Information for Department of Agriculture.

1. All veterinary colleges shall furnish promptly to the Department of Agriculture a copy of their annual announcements and of all other publications relative to the courses of instruction offered.

2. They shall also furnish: (1) Not later than twenty days after the opening of the first session of each college year, a complete list of their matriculates by classes, giving the full name and legal residence of each student and the basis on which admitted to the first-year class; and (2) within 10 days after the close of the college year, a complete list of the last graduating class.

REGULATION XXI.—Eligibility for United States civil-service examination.

Graduates of the accredited veterinary colleges herein listed shall be eligible at all times for the United States civil-service examination for employment as veterinary inspectors in the Bureau of Animal Industry, subject to the other requirements of the civil-service rules as to fitness, etc.

REGULATION XXII.—Not eligible to civil service.

No undergraduate or other person who has not received a diploma from an accredited veterinary college shall be permitted to take the civil-service examination for the position of veterinary inspector

¹ Students who have matriculated for the sessions 1914-15, 1915-16, or 1916-17 may be graduated after an attendance of three years.

except that senior students who expect to graduate within six months from the date of the examination may register for such examination, but shall not receive appointment until a certificate is filed with their papers showing evidence of actual graduation.

REGULATION XXIII.—Supervision of veterinary colleges.

The Department of Agriculture shall maintain such supervision of the work of the veterinary colleges as shall enable it to secure the requisite information to determine whether such colleges are faithfully complying with the minimum standard of requirements indicated in these regulations.

REGULATION XXIV.—List of accredited veterinary colleges.

The following is the list of accredited veterinary colleges. This list will be added to, as occasion may arise, upon recommendation of the Department of Agriculture or upon proof made to the Civil Service Commission that any school or college has qualified as provided in these regulations for eligibility and whose courses of study are found to be satisfactory to the department or to the commission according to the standards herein established: ¹

Alabama Polytechnic Institute, College of Veterinary Medicine.

Chicago Veterinary College.

Cincinnati Veterinary College.

Colorado State College, Division of Veterinary Medicine.

George Washington University, College of Veterinary Medicine.

Grand Rapids Veterinary College.²

Indiana Veterinary College.

Iowa State College, Division of Veterinary Medicine.

Kansas City Veterinary College.

Kansas State Agricultural College, Veterinary Department.

McKillip Veterinary College.

Michigan Agricultural College, Division of Veterinary Science.

New York State Veterinary College, Cornell University.

New York State Veterinary College, New York University.

Ohio State University, College of Veterinary Medicine.

St. Joseph Veterinary College.³

San Francisco Veterinary College.

State College of Washington, Veterinary Department.

Terre Haute Veterinary College.

United States College of Veterinary Surgeons.⁴

University of Pennsylvania, School of Veterinary Medicine.

University of Toronto, Ontario Veterinary College, to include only those graduated during or prior to 1897.

¹ This list is subject to change. The failure of any college to comply with the provisions of the regulations will necessitate removal from the list.

² To include only those graduates who have pursued the study of veterinary medicine at this college or in some other accredited college for three years.

³ Matriculates in 1910, in addition to the regular course, will be required to take one year's additional instruction at this college. Graduates prior to 1914 will be required to have had one year's practice and to take an additional year's instruction at this college.

⁴ Graduates of 1910 and 1911 will be required to present a certificate showing attendance for an additional session at this or some other accredited veterinary college.

Graduates of the following-named colleges which are not now in session will be admitted to examinations:

American Veterinary College, New York, N. Y.
Columbia Veterinary College, New York, N. Y.
Columbian University, Veterinary School, Washington, D. C.
Harvard University, School of Veterinary Medicine, Boston, Mass.
McGill University, Veterinary Department, Montreal, Canada.
National Veterinary College, Washington, D. C.
New York College of Veterinary Surgeons.
New York-American Veterinary College.

Graduates of the following-named foreign colleges will be admitted to examinations:

Glasgow Veterinary College, Glasgow, Scotland.
Royal Veterinary College, London, England.
Royal Veterinary College of Ireland, Dublin, Ireland.
Royal (Dick) Veterinary College, Edinburgh, Scotland.
The New Veterinary College, Liverpool, England.
Veterinary College of Lemberg, Austria.
University of Melbourne, Veterinary School, Melbourne, Australia.
Royal Superior Veterinary School, Naples, Italy.

Approved.

D. F. HOUSTON,
Secretary of Agriculture.

Approved (by direction of the Civil Service Commission).

JOHN A. McILHENNY,
President.

WASHINGTON, D. C., February 16, 1917.



